

Datasheet: VPA00023

BATCH NUMBER 090714

Description:	RABBIT ANTI MCM6
Specificity:	MCM6
Format:	Purified
Product Type:	PrecisionAb Polyclonal
Isotype:	Polyclonal IgG
Quantity:	100 µl

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Western Blotting	▪			1/1000

The PrecisionAb label is reserved for antibodies that meet the defined performance criteria within Bio-Rad's ongoing antibody validation programme. Click [here](#) to learn how we validate our PrecisionAb range. Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Further optimization may be required dependent on sample type.

Target Species

Human

Species Cross Reactivity

Reacts with: Mouse, Rat

N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

Product Form

Purified IgG - liquid

Preparation

Rabbit polyclonal antibody purified by affinity chromatography

Buffer Solution

TRIS buffered saline

Preservative Stabilisers

0.09% Sodium Azide (NaN₃)

Immunogen Synthetic peptide corresponding to a region within human MCM6

External Database

Links

UniProt:

[Q14566](#) [Related reagents](#)

Entrez Gene:

[4175](#) MCM6 [Related reagents](#)

Specificity

Rabbit anti Human MCM6 antibody recognizes human minichromosome maintenance 6 (MCM6), also known as DNA replication licensing factor or p105MCM. MCM6 is a 821 amino acid nuclear component of the MCM complex containing a single [MCM](#) domain.

MCM6 is involved in the initiation and control of eukaryotic DNA replication. Studies show that MCM4 forms a hexameric protein complex with MCM6 and 7, which has DNA helicase activity, and may act as a DNA unwinding enzyme ([Kanter et al. 2008](#)). The phosphorylation of this complex by CDC2 kinase reduces the DNA helicase activity and chromatin binding of the MCM complex ([Ishimi et al. 2001](#)). MCM6 has been noted to have elevated expression in Hodgkin's lymphoma ([Karimi et al. 2008](#)) and be a predictor of survival in patients with mantle cell lymphoma ([Schrader et al. 2005](#)).

Rabbit anti Human MCM6 antibody recognizes human MCM6 as a single band of ~105 kDa in multiple human cell line lysates by western blotting under reducing conditions. It also cross reacts with rodent cell lines tested.

Western Blotting Anti MCM6 antibody detects a band of approximately 105 kDa in HeLa cell lysates.

Storage Store undiluted at -20°C, avoiding repeated freeze thaw cycles.

Guarantee 12 months from date of despatch

Acknowledgements PrecisionAb is a trademark of Bio-Rad Laboratories.

Health And Safety Information Material Safety Datasheet documentation #10057 available at: <https://www.bio-rad-antibodies.com/SDS/VPA00023>
Antibody (10057)

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Rabbit IgG (H/L) (STAR208...) [HRP](#)

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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)

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